

Daily Report Cruise 3

September 26, 2010

This is the third cruise of the MC252 Deep water sediment sampling program, R/V Gyre. Three stations were sampled (NF-010, NF-011 and NF-012), one cast per station. 12 of 12 cores were recovered at stations NF-010, NF-011. 11 of 12 cores were recovered at station NF-012. No hydrocarbons were observed at any station.

Station 1

1. Station ID: NF-010
2. Average Lat: 28.757164
Average Lon: -88.388669
3. Depth: 1439m
4. Time Corer Deployed: 10:12
Time Corer Recovered: 10:55
Time Corer on Deck: 11:30
5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

6. LBNL Sampling Team: Kevin McClay and Julian Fortney
7. Location Notes: 1 cast attempted. Overlaying water very murky. Filters clogged quickly. Soft sediment interface, likely drilling mud.
8. LBNL samples:

Core number GT0017:

Sample ID	Sample Type	Volume	Storage
SE-20100926-GY-NF-010-BC-053	Intact Core	NA	-80C
SU-20100926-GY-NF-010-BC-050	DNA Filter	600ml	-80C
SU-20100926-GY-NF-010-BC-051	DNA Filter	540ml	-80C
SU-20100926-GY-NF-010-BC-052	AODC	20ml	4C
SU-20100926-GY-NF-010-BC-054	DNA Filter	400ml	-80C

Station 2

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1. Station ID: NF-011
2. Average Lat: 28.765306
Average Lon: -88.366883
3. Depth: 1449m
4. Time Corer Deployed: 14:23
Time Corer Recovered: 14:56
Time Corer on Deck: 15:25
5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

6. LBNL Sampling Team: Kevin McClay and Julian Fortney
7. Location Notes: 1 cast attempted. Overlaying water was clear and easy to filter.

Core number GT0031:

Sample ID	Sample Type	Volume	Storage
SE-20100926-GY-NF-011-BC-057	Intact Core	NA	-80C
SU-20100926-GY-NF-011-BC-055	AODC	20ml	4C
SU-20100926-GY-NF-011-BC-056	DNA Filter	1400ml	-80C

1. Station ID: NF-012
2. Average Lat: 28.757853
Average Lon: -88.344461
3. Depth: 1520m
4. Time Corer Deployed: 17:50
Time Corer Recovered: 18:34
Time Corer on Deck: 19:06
5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

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6. LBNL Sampling Team: Kevin McClay and Julian Fortney

7. Location Notes: 1 cast attempted. Overlaying water very murky. Filters clogged quickly. Soft sediment interface, likely drilling mud.

Core number GT0019:

Sample ID	Sample Type	Volume	Storage
SE-20100926-GY-NF-012-BC-058	Intact Core	NA	-80C
SU-20100926-GY-NF-012-BC-059	AODC	20ml	4C
SU-20100926-GY-NF-012-BC-060	DNA Filter	700ml	-80C
SU-20100926-GY-NF-012-BC-061	DNA Filter	680ml	-80C

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